

FULBRIGHT & JAWORSKI L.L.P.

A REGISTERED LIMITED LIABILITY PARTNERSHIP
600 CONGRESS AVENUE, SUITE 2400
AUSTIN, TEXAS 78701-3271
WWW.FULBRIGHT.COM

#293 3/25/02
1636
RECEIVED

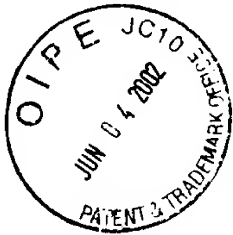
JUN 07 2002

TECH CENTER 1600/2900

RHANSON@FULBRIGHT.COM
DIRECT DIAL: (512) 536-3085

TELEPHONE: (512) 474-5201
FACSIMILE: (512) 536-4598

May 30, 2002



CERTIFICATE OF MAILING
37 C.F.R. 1.8

I hereby certify that this correspondence is being deposited with the U.S. Postal Service with sufficient postage as First Class Mail in an envelope addressed to: Commissioner for Patents, Washington, DC 20231, on the date below:

May 30, 2002

Date

Robert E. Hanson

Commissioner for Patents
Washington, DC 20231

Re: *U.S. Patent Application No. 09/910,428 entitled "A DNA MARKER FOR CATTLE GROWTH" by Chad S. Hale et al.*

Our Reference: UVMO:007US

Client Reference: 00UMC016

Sir:

Enclosed for filing in the above-referenced patent application is an Information Disclosure Statement, Form PTO-1449, and references (C1-C21).

No fees are believed to be due in connection with the filing of this Information Disclosure Statement, however, should any fees under 37 C.F.R. §§ 1.16 to 1.21 be deemed necessary for any reason relating to the enclosed materials, the Commissioner is hereby authorized to deduct said fees from Fulbright & Jaworski Deposit Account No.: 50-1212/10106168/REH.

Please date stamp and return the enclosed postcard evidencing receipt of these materials.

Respectfully submitted,

Robert E. Hanson
Reg. No. 42,628

REH/cmb
Encl.: as noted

25171625.1



PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

RECEIVED

JUN 07 2002

TECH CENTER 1600/2900

Re Application of:
Chad S. Hale *et al.*

Serial No.: 09/910,428

Filed: July 19, 2001

For: A DNA MARKER FOR CATTLE
GROWTH

Group Art Unit: 1636

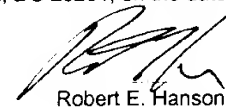
Examiner: Unknown

Atty. Dkt. No.: UVMO:007US

CERTIFICATE OF MAILING
37 C.F.R. 1.8

I hereby certify that this correspondence is being deposited with the U.S. Postal Service with sufficient postage as First Class Mail in an envelope addressed to: Commissioner for Patents, Washington, DC 20231, on the date below:

May 30, 2002
Date


Robert E. Hanson

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
Washington, D.C. 20231

Sir:

In compliance with the duty of disclosure under 37 C.F.R. § 1.56, it is respectfully requested that this Information Disclosure Statement be entered and the documents listed on attached Form PTO-1449 be considered by the Examiner and made of record. Copies of the listed documents required by 37 C.F.R. § 1.98(a)(2) are enclosed for the convenience of the Examiner.

In accordance with 37 C.F.R. §§ 1.97(g), (h), this Information Disclosure Statement is not to be construed as a representation that a search has been made, and is not to be construed to be an admission that the information cited is, or is considered to be, material to patentability as defined in 37 C.F.R. § 1.56(b).

The present Information Disclosure Statement is being filed prior to the receipt of a first Official Action reflecting an examination on the merits, and hence is believed to be timely filed in accordance with 37 C.F.R § 1.97(b). No fees are believed to be due in connection with the filing of this Information Disclosure Statement, however, should any fees under 37 C.F.R. §§ 1.16 to 1.21 be deemed necessary for any reason relating to these materials, the Commissioner is hereby authorized to deduct said fees from Fulbright & Jaworski Deposit Account No.: 50-1212/10106168/REH.

Applicants respectfully request that the listed documents be made of record in the present case.

Respectfully submitted,



Robert E. Hanson
Reg. No. 42,628
Attorney for Applicants

FULBRIGHT & JAWORSKI L.L.P.
600 Congress Avenue, Suite 2400
Austin, Texas 78701
(512) 474-5201

Date: May 30, 2002

Form PTC 1449 (modified)

Atty. Docket No.

Serial No.

UVMO:007US

09/910,428

RECEIVED

List of Patents and Publications for Applicant's

Applicant

Chad S. Hale *et al.*

JUN 07 2002

TECH CENTER 1600/2900

INFORMATION DISCLOSURE STATEMENT

(Use several sheets if necessary)

Filing Date:

July 19, 2001

Group:

1636

U.S. Patent Documents

See Page 1

Foreign Patent Documents

See Page 1

Other Art

See Page 1

U.S. Patent Documents

Exam. Init.	Ref. Des.	Document Number	Date	Name	Class	Sub Class	Filing Date of App.

Foreign Patent Documents

Exam. Init.	Ref. Des.	Document Number	Date	Country	Class	Sub Class	Translation Yes/No

Other Art (Including Author, Title, Date Pertinent Pages, Etc.)

Exam. Init.	Ref. Des.	Citation
RRS	C1	Aggrey <i>et al.</i> , "Markers within the regulatory region of the growth hormone receptor gene and their association with milk-related traits in Holsteins," <i>J. Hered.</i> 90(1):148-151, 1999.
	C2	Davis and DeNise, "The impact of genetic markers on selection," <i>J. Anim. Sci.</i> , 76:2331-2339, 1998.
	C3	Dodgson <i>et al.</i> , "DNA marker technology: a revolution in animal genetics," <i>Poultry Sci.</i> , 76:1108-1114, 1997.
	C4	Edens and Talamantes, "Alternative processing of growth hormone receptor transcripts," <i>Endocrine Rev.</i> , 19:559-582, 1998.
	C5	Hale <i>et al.</i> , "Effects associated with the <i>Bos indicus</i> growth hormone receptor haplotype in <i>Bos taurus</i> cattle," <i>J. Animal Sci.</i> , 77(Supp. 1):139, Abstract # 90, 1999.
	C6	Heap <i>et al.</i> , "Nucleotide sequence of the promoter and first exon of the somatotropin receptor gene in cattle," <i>J. Anim. Sci.</i> , 73:1529, 1995.
	C7	Hillel <i>et al.</i> , "DNA fingerprints applied to gene introgression in breeding programs," <i>Genetics</i> , 124:783-789, 1990.
	C8	Jiang <i>et al.</i> , "Isolation and characterization of a novel promoter for the bovine growth hormone receptor gene," <i>J. Biol. Chem.</i> , 274(12):7893-7900, 1999.
RRS	C9	Keele <i>et al.</i> , "A region of bovine chromosome 15 influences beef longissimus tenderness in steers," <i>J. Anim. Sci.</i> , 77:1364-1371, 1999.

25082505.1

EXAMINER:

RRS

DATE CONSIDERED:

1/24/03

EXAMINER: INITIAL IF REFERENCE CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED. INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.

INFORMATION DISCLOSURE STATEMENT — PTO-1449 (MODIFIED)

Form PTO-1449 (modified)

Atty. Docket No.
UVMO:007USSerial No.
09/910,428

RECEIVED

List of Patents and Publications for Applicant's

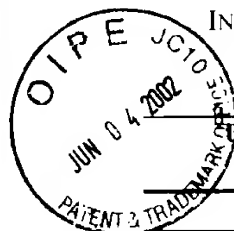
Applicant
Chad S. Hale *et al.*

JUN 07 2002

TECH CENTER 1600/2900

INFORMATION DISCLOSURE STATEMENT

(Use several sheets if necessary)

Filing Date:
July 19, 2001Group:
1636U.S. Patent Documents
See Page 1Foreign Patent Documents
See Page 1Other Art
See Page 1

Other Art (Including Author, Title, Date Pertinent Pages, Etc.)

Exam. Init.	Ref. Des.	Citation
R2S	C10	Kobayashi <i>et al.</i> , "Expression of growth hormone receptor 1A messenger ribonucleic acid in liver of dairy cows during lactation and after administration of recombinant bovine somatotropin," <i>J. Dairy Sci.</i> , 82:1910-1916, 1999.
	C11	Lagziel <i>et al.</i> , "Association between SSCP haplotype at the bovine growth hormone gene and milk protein percentage," <i>Genetics</i> , 142:945-951, 1996.
	C12	Liu <i>et al.</i> , "A novel phenotype for Laron dwarfism in miniature <i>Bos indicus</i> cattle suggests that the expression of growth hormone receptor 1A in liver is required for normal growth," <i>Domest. Anim Endocrinol.</i> , 17:421-437, 1999.
	C13	Lucy <i>et al.</i> , "Polymorphic (GT) _n microsatellite in the bovine somatotrophin receptor gene promoter," <i>J. Anim. Sci.</i> , 76:2209-2210, 1998.
	C14	Menon <i>et al.</i> , "Cloning the promoter-regulatory region on the murine growth hormone receptor," <i>J. Biol. Chem.</i> , 270:8851-8859, 1995.
	C15	O'Mahoney <i>et al.</i> , "Identification of a liver-specific promoter for the ovine growth hormone receptor," <i>Molecul. Cellul. Endocrinol.</i> , 101:129-139, 1994.
	C16	Patterson <i>et al.</i> , "DNA markers in plant improvement," <i>Adv. Agron.</i> 46:40-90, 1991.
	C17	Petlketsky <i>et al.</i> , "Variants of the 5'-untranslated sequence of human growth hormone receptor mRNA," <i>Molecul. Cellul. Endocrinol.</i> , 90:103-109., 1992.
	C18	Schmutz <i>et al.</i> , "DNA marker-assisted selection of the polled condition in Charolais cattle," <i>Mammalian Genome</i> , 6:710-713, 1995.
	C19	Schwartzbauer and Menon, "Regulation of growth hormone receptor gene expression," <i>Molec. Genet. Metabol.</i> , 63:243-253, 1998.
	C20	Shimajiri <i>et al.</i> , "Shortened microsatellite d(CA)21 sequence down-regulates promoter activity of matrix metaloproteinase 9 gene," <i>FEBS Let.</i> , 455:70-74, 1999..
R2S	C21	Weber and May, "Abundant class of human DNA polymorphisms which can be typed using the polymerase chain reaction," <i>Amer. J. Human Genet.</i> , 44:388-396, 1989.

25082505.1

EXAMINER:

R2S

DATE CONSIDERED:

1/24/03

EXAMINER: INITIAL IF REFERENCE CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED. INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.